

# Georgios Varnavides

## List of Publications by Year in descending order

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19  
papers

766  
citations

932766

10  
h-index

887659

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoscopic finite-size effects of unconventional electron transport in $\text{PdCoO}_2$ . Physical Review Materials, 2022, 6, .	0.9	9
2	Direct imaging and electronic structure modulation of moiré superlattices at the 2D/3D interface. Nature Communications, 2021, 12, 1290.	5.8	48
3	Simulating Infiltration as a Sequence of Pinning and De-pinning Processes. Acta Materialia, 2021, 210, 116831.	3.8	3
4	Influence of Magnetic Fields on Electrochemical Reactions of Redox Cofactor Solutions. Angewandte Chemie, 2021, 133, 18443-18450.	1.6	2
5	Influence of Magnetic Fields on Electrochemical Reactions of Redox Cofactor Solutions. Angewandte Chemie - International Edition, 2021, 60, 18295-18302.	7.2	4
6	Sondheimer oscillations as a probe of non-ohmic flow in WP2 crystals. Nature Communications, 2021, 12, 4799.	5.8	7
7	Capturing 3D atomic defects and phonon localization at the 2D heterostructure interface. Science Advances, 2021, 7, eabi6699.	4.7	13
8	Imaging phonon-mediated hydrodynamic flow in WTe <sub>2</sub> . Nature Physics, 2021, 17, 1216-1220.	6.5	72
9	Anisotropic phonon-mediated electronic transport in chiral Weyl semimetals. Physical Review Materials, 2021, 5, .	0.9	10
10	Catalytically mediated epitaxy of 3D semiconductors on van der Waals substrates. Applied Physics Reviews, 2020, 7, .	5.5	15
11	Electron hydrodynamics in anisotropic materials. Nature Communications, 2020, 11, 4710.	5.8	38
12	Magnetic Vortex Nanodiscs Enable Remote Magnetomechanical Neural Stimulation. ACS Nano, 2020, 14, 8036-8045.	7.3	68
13	Magnetothermal Multiplexing for Selective Remote Control of Cell Signaling. Advanced Functional Materials, 2020, 30, 2000577.	7.8	35
14	Transgene-free remote magnetothermal regulation of adrenal hormones. Science Advances, 2020, 6, eaaz3734.	4.7	52
15	Forbidden Reflection Moiré Patterns in Metal-2D Material Interfaces. Microscopy and Microanalysis, 2020, 26, 860-863.	0.2	0
16	Remotely controlled chemomagnetic modulation of targeted neural circuits. Nature Nanotechnology, 2019, 14, 967-973.	15.6	77
17	Nonequilibrium phonon transport across nanoscale interfaces. Physical Review B, 2019, 100, .	1.1	12
18	Strain-programmable fiber-based artificial muscle. Science, 2019, 365, 145-150.	6.0	298

#	ARTICLE	IF	CITATIONS
19	Probing Neuro-Endocrine Interactions Through Remote Magnetothermal Adrenal Stimulation. Frontiers in Neuroscience, 0, 16, .	1.4	2